(11) EP 1 058 333 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 18.07.2001 Bulletin 2001/29

(51) Int CI.7: **H01P 1/15**, H01P 1/213

- (43) Date of publication A2: 06.12.2000 Bulletin 2000/49
- (21) Application number: 00109460.6
- (22) Date of filing: 03.05.2000
- (84) Designated Contracting States:

 AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU

 MC NL PT SE

 Designated Extension States:

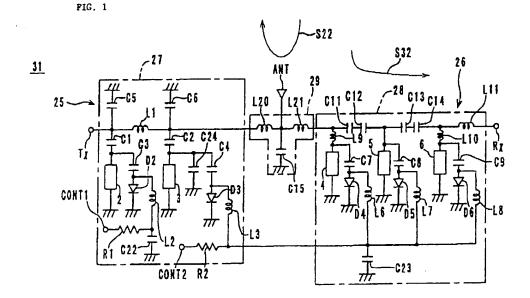
 AL LT LV MK RO SI
- (30) Priority: 03.06.1999 JP 15710899
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(54) Duplexer and communication apparatus

(57) There is disclosed a duplexer comprising: a first external terminal (TX); a second external terminal (RX); an antenna terminal (ANT); a first frequency variable filter (27) electrically connected between the first external terminal (TX) and the antenna terminal (ANT), and composed of at least one resonator (3) and a reactance element (D3) electrically connected to the resonator (3) and capable of being voltage-controlled; a second frequency variable filter (28) electrically connected be-

tween the second external terminal (RX) and the antenna terminal (ANT), and composed of at least one resonator (4, 5, 6) and a reactance element (D4, D5, D6) electrically connected to the resonator (4 - 6) and capable of being voltage-controlled; the predetermined reactance element (D3) of the first frequency variable filter (27) being in the on state when the reactance element (D4 - D6) of the second frequency variable filter (28) is in the on state.





EUROPEAN SEARCH REPORT

Application Number EP 00 10 9460

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Sategory	Citation of document with indication, where appropriate, of re evant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
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!	PATENT ABSTRACTS OF JAPAN vol. 012, no. 211 (E-622), 16 June 1988 (1988-06-16) -& JP 63 009303 A (MURATA MFG CO LTD), 16 January 1988 (1988-01-16) * abstract; figures 4,5 *	1,2	TECHNICAL FIELDS SEARCHED (INLCI.7) HO1P
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·· '	The present search report has been drawn up for all claims		. !

Place of search Examiner Date of completion of the search EPO FORM 1503 03 82 (P04C0): THE HAGUE 29 May 2001 Den Otter, A T: theory or principle underlying the invention
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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82